

# Matthew D Lahaye

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8096162/publications.pdf>

Version: 2024-02-01

10  
papers

1,811  
citations

1163117

8  
h-index

1474206

9  
g-index

10  
all docs

10  
docs citations

10  
times ranked

1549  
citing authors

#	ARTICLE	IF	CITATIONS
1	Approaching the Quantum Limit of a Nanomechanical Resonator. <i>Science</i> , 2004, 304, 74-77.	12.6	781
2	Cooling a nanomechanical resonator with quantum back-action. <i>Nature</i> , 2006, 443, 193-196.	27.8	501
3	Nanomechanical measurements of a superconducting qubit. <i>Nature</i> , 2009, 459, 960-964.	27.8	353
4	Parametric Amplification and Back-Action Noise Squeezing by a Qubit-Coupled Nanoresonator. <i>Nano Letters</i> , 2010, 10, 3990-3994.	9.1	68
5	Roadmap on quantum nanotechnologies. <i>Nanotechnology</i> , 2021, 32, 162003.	2.6	45
6	Measurements of nanoresonator-qubit interactions in a hybrid quantum electromechanical system. <i>Nanotechnology</i> , 2016, 27, 364003.	2.6	33
7	Development of a broadband reflective T-filter for voltage biasing high-Q superconducting microwave cavities. <i>Applied Physics Letters</i> , 2014, 105, 222603.	3.3	14
8	Design of strongly nonlinear graphene nanoelectromechanical systems in quantum regime. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	8
9	Electromechanical quantum simulators. <i>Physical Review B</i> , 2018, 97, .	3.2	6
10	Superconducting circuitry for quantum electromechanical systems. , 2015, , .		2